Date: April 4, 2019 - 7:01 a.m. Eastern
Mission: Progress 72 Launch
Description: The uncrewed Russian Progress 72 cargo craft will launch to the International Space Station from the Baikonur Cosmodrome in Kazakhstan, delivering food, fuel and supplies.

Date: April 17, 2019 - 4:46 p.m. Eastern
Mission: Northrop Grumman Resupply Mission to Space Station (CRS-11)
Description: Northrop Grumman's eleventh contracted commercial resupply services mission, launching aboard an Antares rocket from Wallops Flight Facility in Virginia, will deliver several tons of cargo including crew supplies and science experiments to the International Space Station.

Interactive Image Gallery

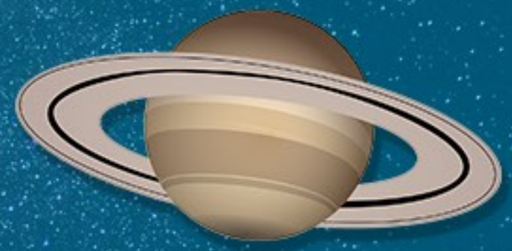
BLACK HOLES

A black hole has a gravitational pull is so intense that nothing, not even light, can escape it once inside a certain region called the event horizon. As gas and dust (or even entire stars) are sucked in, the material is accelerated and heated to very high temperatures. This in turn results in the emission of X-ray light. Black holes containing lots of nearby gas and dust, such as this black hole at the center of the M81 galaxy, produce tremendous amounts of X-ray light.

But black holes are messy eaters. Some of the material swirling into the black hole doesn't fall in but rather is spit out at nearly the speed of light. This material is caught up in powerful magnetic fields the black hole. These "jets" not only shoot some material away, they also emit prolific amounts of energy from radio waves to visible light to X-ray light. The jets of material shooting out from the central black hole of the Perseus cluster have blown out large holes (cavities) in the nearby gaseous medium and - like waves propagating on a pond surface - have set up ripples throughout the entire cluster medium. These ripples are the sound waves.

WHAT IS A PLANET

There are more planets than stars in our galaxy. The current count orbiting our star: eight.
The inner, rocky planets are Mercury, Venus, Earth and Mars. The outer planets are gas giants Jupiter and Saturn and ice giants Uranus and Neptune. Beyond Neptune, a newer class of smaller worlds called dwarf planets reign, including perennial favorite Pluto.



LAUNCHES AND LANDINGS

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